



VICTORY GAS ALARM COMPANY



GAS DETECTION AND MONITORING EQUIPMENTS



Victory Gas Alarm Company

Founded : 1988

Our main objective in research & development is to have advanced technology for safety and security items.

As we are committed in the field of safety , we are the first in India to have patent for LPG gas detector and have been serving Indian railways, defense, petro chemicals and other industries.

We also developed electronic moisture meter, which is the most imposed technology in the world.

Our main strength - our R & D gives us the opportunity to come close to you with dynamic product range that fits according to any requirement and are low on budget besides eco-friendly.

OUR MISSION : To provide security solution for minimizing the risks & hazards of gas leakage, fire break-out etc.

**'LPG vapour cloud
behind Kasba blast'**

**Gas leak triggers
fire, minor hurt**



Gas Leak is Dangerous! Think Safety First!



Victory Gas Detectors help in plugging leakage which otherwise was evaporating in thin air.

***Victory Gas
Detectors
can sense
'Danger'
&
Save Many
Lives!***

www.victorygas.com

Dual Channel



Single Channel



Stainless Steel Panel



GT-07



Gas Detector

SCOPE:

To detect any combustible gas like LPG, PNG, CNG Petroleum vapour, Hydro Carbons, Carbon Monoxide, spirit fumes in the air to gives audio visual alarm. The Gas Detector Model GT-07 is sturdy equipment housed in shock proof, weather resistant PESO approved sensor for monitoring combustible gases and activate alarm when the concentration exceeds threshold limit. The instrument utilises solid state sensor for detection of gas.

SPECIFICATION:

Gas Detected	:	Combustible/explosives gases like LPG, Methane, Town Gas, Coal Gas, Natural Gas
Detection Range	:	0 -100% LEL (Lower Explosive Limit)
Power (Control Panel)	:	220V AC 50 HZ , 2 Watts
Operating Temperature	:	0°C to 70°C
Warm/Alarm Function	:	Audible alarm provided on each Model.
Relay Contracts Rating	:	3 Amp @ 240V AC (Resistive Load)
Alarm Set Point	:	10% of LEL (LPG 2.2% = 100% LEL)
Humidity (Operating)	:	5 to 95% (Non Condensing)
Dimension	:	155 x 80 x 70 mm
Weight Panel	:	500 gm
Response Time	:	2 Sec. at 90% response
Principle	:	Catalytic Combustion Method
Sampling Method	:	Automatic Diffusion
Indication	:	Wait, Ready, Alarm, Power
Safety Protection (CMRI)	:	Exd IIB T6
PESO	:	Certified

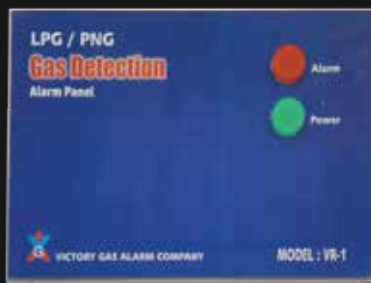
APPLICATIONS:

LP Gas Banks, CNG Gas Banks, Restaurants, Hotels, Clubs, Industrial Kitchens, Office Kitchens, Laboratories, Defence Factories, LPG, Stations, Pantry Cars, LPG Godowns, LPG Rooms, LPG Bullets, Hospitals , Nursing homes, Canteens etc.



Gas Sensor

Single Channel



Multi Channel



Stainless Steel Panel



GT-18

PESO
APPROVED

Gas Detector

SCOPE:

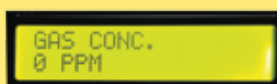
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SPECIFICATION:

Gas Detected	:	Combustible/explosives gases like LPG, Methane, Town Gas, Coal Gas, Natural Gas, PNG
Detection Range	:	0 -100% LEL (Lower Explosive Limit)
Power (Sensor)	:	12V only from panel (Main unit)
Operating Temperature	:	0°C to 70°C
Warn/Alarm Function	:	Audible / Visual alarm provided
Alarm Set Point	:	10% of LEL (LPG 2.2% = 100% LEL)
Humidity (Operating)	:	5 to 95% (Non Condensing)
Dimension	:	115 mm x 115 mm x 90 mm
Weight	:	500 gm
Response Time	:	2 Sec. at 90% response
Principle	:	Catalytic Combustion Method
Sampling Method	:	Automatic Diffusion
Indication	:	Wait, Alarm, Power
CMRI Approved	:	Exd IIB T6 IPSS

APPLICATIONS:

LP Gas Banks, CNG Gas Banks, PNG, Restaurants, Hotels, Clubs, Industrial Kitchens, Office Kitchens, Laboratories, Defence Factories, LPG Vaporizer Rooms, Pantry Cars, LPG Rooms, LPG Bullets etc.



VICTORY 205D

VICTORY 205D

ELECTRONIC GAS DETECTOR/MONITOR (Fixed installation Gas Detector/ Monitor)

DESCRIPTION:

VICTORY 205D is sturdy equipment for detection of toxic/ combustible gases. Housed in a shock proof, weather resistant enclosure for monitoring and activate alarm when the concentration exceeds threshold limit. The unit displays the concentration in PPM or LEL. Alarm be set by user from 0 to 100% range. The basic console can be supplied with fixed or remote sensor and explosion proof enclosures (PESO Approved).

SPECIFICATION:

Gas detected	:	Combustible/ Toxic (to be specified)
Detection Range	:	0-100% LEL (Lower Explosive Limit or PPM)
Power	:	220V AC 50/60 HZ
Operating Temperature	:	-5° to 70°C
Warn/ Alarm Functions	:	LED and Buzzer for Relay are provided on each model
Relay Contact Ratings	:	3 AMP @ 240V AC (Resistive Load)
Warn/Alarm Set Points	:	User Selectable (full scale)
Humidity (Operating)	:	0 to 95% (Non Condensing)
Suitable For all combustible Toxic gases	:	(to be specified while ordering)
Dimension	:	155 X 80X 70 mm
Weight	:	2 kg appr.
Response Time	:	15 Sec. at 90% response
Sensor	:	Catalytic Combustion Method/ Electro Chemical cell
Range	:	0-100% LEL/ 0-2000ppm.

APPLICATIONS:

In Defence factories, Petrochemical complexes, LPG Stations, Railways, Hotels/Gas Banks



VICTORY 205

VICTORY 205

ELECTRONIC GAS DETECTOR/MONITOR Stationary Application/ BAR Graph Display

SPECIFICATION:

Gas detected	Combustible
Detection Range	0-100% LEL (Lower Explosive Limit)
Power	220V AC 50/60 HZ 2 Watts
Operating Temperature	-5° to 70° C
Warn/ Alarm Functions	Audible Warn and Alarm Relays are provided on each model
Relay Contact Ratings	3 AMP @ 240V AC (Resistive Load)
Warn/Alarm Set Points	User Selectable (10-100%)
Humidity (Operating)	5 to 95% (Non Condensing)
Suitable For all combustible Toxic gases	(to be specified while ordering)
Dimension	200 X 130X 60 mm (approx)
Weight	2 kg approx.
Response Time	15 Sec. at 90% response

APPLICATIONS:

Used for detection of Combustible Gas and to give easy to read BAR GRAPH indication proportional to the leakage, for easy interpretation. 2 alarm points can be set (Low to High) by user.



V - 9000



SPOT GAS DETECTOR

(Fixed Installation Gas Detector / Monitor)

DESCRIPTION:

V9000 series online gas detector uses the solid state sensor and the ultra low power 32 bit microprocessor, so with the advantages of high precision, good repeatability, stable signal, respond quickly, etc. Possible connected with many controller system, such as PLC, DCS, computer and other, with the function of remote monitor and alarm, data logger and analysis.

APPLICATIONS:

Common applications is gas safety inspection and alarm for industrial scene, such as petroleum refinery, chemical plants, LPG stations, boiler rooms, gas stations, paint spray booths, metallurgy, mining, fire, environmental protection etc. where need to inspect the gas concentration.

FEATURES:

1. 4-20mA standard analog signal and RS485 digital signal output, relay output.
2. LED screen displaying the gas concentration, gas type, unit, instrument status etc.
3. Independent air chamber, the sensor is not required to replace the sensor calibration, automatic identification of key parameters of the sensor
4. Protection function to prevent high gas concentration attack.
5. Display the gas concentration in ppm or LEL
6. Infrared remote controller operation
7. With the 16bit ADC acquisition chip, designed with four-layer circuit board, so with high anti-interference ability.
8. With the Ex-proof certificate, the Ex-proof grade is Exd II CT6.

SPECIFICATIONS :

Applicable Gas	: Combustible/ Toxic
Detecting Range	: LEL / PPM
Resolution	: 1% or 1PPm
Sampling	: Diffusion or pump-suction, circulation selectable
Accuracy	: ≤3%F.S
Repeatability	: ≤1%
Zero drift	: ≤1%(F.S/year)
Sensor Type	: Electrochemical sensor/ Solid state
Sensor Life	: 2~3 years
Response Time (T90)	: ≤20s
Alarming mode	: Audio – visual alarm (Optional)
Operating Environment	: Temperature : -30°C ~ 60°C (Customized for special demands) Humidity : ≤95%RH (non-condensing) ; if >90%RH, can add the filter Pressure : 86kPa ~ 106kPa
Working Voltage	: 24V DC (16~30VDC)
Output Signals	: (Standard) Three-wire system 4 ~ 20mA standard signals output, available for PLC,DCS, etc; (Optional) Four-wire system RS485 digital signal output; Two-level relay output : 220VAC 0.5A, 5VDC 0.5A
Installation Means	: Wall mounted, Pipe type(Thread : M40*1.5)
Material of Body	: Cast aluminum LM-6
Explosion-proof Index	: Exd IIC T6
Protection Grade	: IP66
Electrical Interface	: ¾" NPT(Female Screw), ½" NPT(Female Screw)
Transmit Distance	: ≤2000m (RS485)
Dimension	: 210 mm x 140 mm x 92 mm (L x W x H)
Weight	: About 1.5 Kg
Warranty	: 12 months
PESO	: Approved



V – 5000



SPOT GAS DETECTOR

(Fixed Installation Gas Detector / Monitor)

SPECIFICATION:

Detecting Gas	: Combustible gas (PNG/LPG/CNG) / Toxic/ Oxygen
Sensor type	: Catalytic combustion type / Electro-chemical
Detection Method	: Diffusion
Measuring Range	: (0 ~ 100)% LEL/ ppm
Alarm Setting	: 1-100%
Alarm	: Audio and visual alarm (2 x Relay)
Audible Alarm Level	: >=80dB
Output	: 4 ~ 20mA signal
Response time	: T90 < 10s
Operating Voltage	: 12 V / 24 V DC
Temperature	: -10°C ~ +55°C
Humidity	: <95%RH (No Condensation)
Display	: 16 x 2 LCD display / Power LED

APPLICATIONS:

For Spot gas detectors & indicator of Combustible / Toxic / Oxygen gases in any application.



V – 4000

Gas Detection Controller

SPECIFICATION:

Display	: LCD Display
Output Voltage	: AC220V+20%, 50 HZ
Battery Consumption	: <2W
Channel Quantity	: Two Channels, Four Channels, Eight Channels
Detector Power Supply	: DC24V, 300mA/channel
Input Signal	: 4~20mA
Relay Output	: AC220V/2A, DC24V/2A
Audible-visual alarm	: Audible alarm >80dB(1m), visual is optional
Working Temperature	: -20°C ~ +50°C
Working Humidity	: ≤95%RH (non-condensing)
Body Material	: Metal
Installation Type	: Wall-mounted
Dimension	: L263 mm*W180mm*H70mm(2/4 channels) L325mm*W220mm*H74mm (8 channels)
Weight	: 4.0 Kg
Warranty	: 4.0 Kg

APPLICATIONS:

The Victory-4000 Gas Detection Controller is used to connect with the fixed gas detector and the related equipment in industrial scenes, such as petroleum refineries, chemical plants, LPG stations, boiler rooms, gas stations, paint spray booths, metallurgy, mining, fire, environmental protection etc.



KB6000 III

Multi- point Gas Detection Panel for Industrial use

SPECIFICATION:

Main Power Supply	: AC220V / AC110V 50 Hz
Battery Backup	: DC24V rechargeable Lead acid
Battery consumption	: ≤ 95%RH
Battery Backup Low	: DC22V ± 1V
Voltage alert	:
Visual & Audible Alarm	: Lights show the working status
	: LEDs show the alarming level or detector number
	: Different alarm sound show the alarming or fault alert.
Cable requirement	: RVVP4 X 1.5 mm ²
Transform distance	: ≤ 100m
Relay output	: Free contact 2A/AC220V
Dimensions	: 390 X 280 X 116 mm (including the hanging plate)

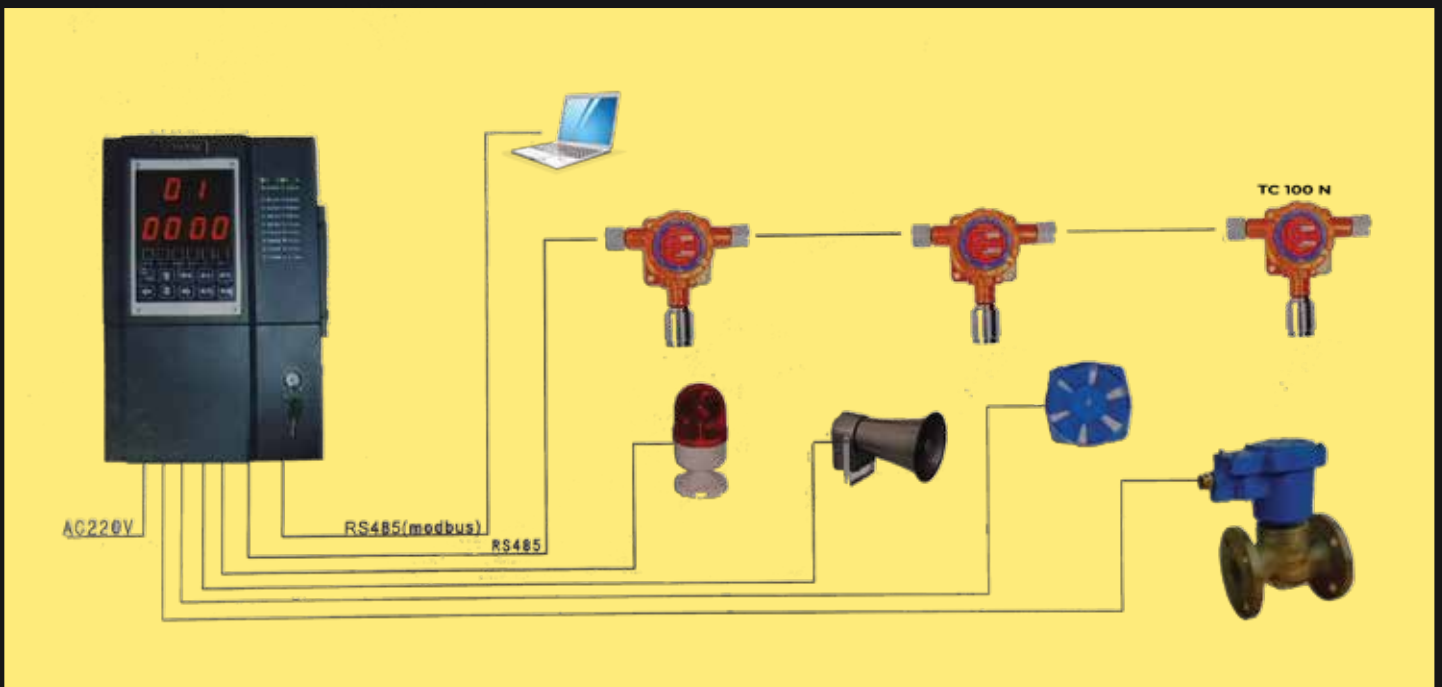
Sensor



FEATURES:

1. Upto 30 points central monitoring
2. Intellectual system; easy on-line zero calibration, relay free contact.
3. Optional signal output of RS485 (Modbus), suitable for DCS and PLC system.
4. MCU control and abundant software: Easy to complete signal sampling, real time data calculating, system fault detecting, power management, buttons scanning, displaying driving program, alarm displaying and linked external equipment etc.
5. Linked external equipment can automatically activate when meeting the preset logical program.
6. Linked external equipment can be activated through the controller.
7. Power management to realize conversation between the main power supply and battery backup; with display of power supply type.
8. Intellectual management on all the gas detectors of different gas type, different detection range and different displaying units.

INSTALLATION DIAGRAM





Gas Sensor Model V9000



V-8000

V-8000

Gas Detection Controller

DESCRIPTION:

V-8000 gas detection controller with new design of Touch screen and simple operation, makes up as the most reliable industrial gas detection system. It will display the all gas concentration for each gas detector, and when the gas concentration level up to the preset data, the controller will alarm with acoustic and light signal. Synchronously, the actuator will begin to drive the exhaust or the cut off valve and other equipment, in order to prevent the poisoning, accident, explosion or fire. The V-8000 Gas detection controller could guarantee the security of the industrial working place.

SPECIFICATION:

Product Name	:	Gas detection controller
Display	:	8 inch TFT LCD touch screen
Power Supply	:	AC220V415%, 50Hz41%
Consumption	:	<10W/(according to different channels)
Output Voltage	:	DC24V415%
Input Signal	:	RS-485
Relay Output	:	4 relay output with optional NO or NC
Relay Contact Capacity	:	5A, 30VDC or 5A, 220VAC
Alarm Mode	:	Audible, visual
Installation Mode	:	Wall-mounted
Suitable Gas Detector	:	Fixed gas detector with RS485 signal output
Gas Detector Quantity	:	<64pc
Communication Distance	:	~2000m
Working Temperature	:	10°C~+50°C
Working Humidity	:	10~95%RH (Non-condensation)
Size	:	400mmx280mmx80mm
Weight	:	About 3.6kg
Protection Grade	:	IP54
Quality Standard	:	GB 16808-2008 GB 15326-1994
Certificate	:	CE, RoHS

APPLICATIONS:

Petroleum refineries, chemical plants, LPG stations, boiler rooms, gas stations, paint spray booths, metallurgy, mining, fire, environmental protection, kitchens, food courts , hospitality industry etc.



PEN TYPE GAS DETECTOR

Portable Gas Detector is specially used for pinpointing the combustible gas leakage.

SPECIFICATION:

Detecting Gas	:	Natural Gas, LPG, CH ₄ , CNG etc.
Sensor Type	:	Semi Conductor Sensor
Detection Range	:	0-100% LEL
Alarming Level	:	Low Alarm: 20%±5% LEL Yellow LED High Alarm: 50%±5% LEL Red LED
Sampling Method	:	Natural Diffusion
Working Condition	:	-20 - 55 °C ≤95%RH
Voltage	:	DC3V (2pcs AA) Alkaline Battery only
Working Current	:	139mA
Response Time	:	<5 s
Alarming Method	:	Visual and audible
Sound	:	≥65dB

APPLICATIONS:

With high-sensitivity and reliable sensor, it is suitable for commercial, industrial, auto and other environment with combustible gas like methane, propane, Natural Gas.



Auto Shut-Off Valve



VICTORY V-201

LPG/LNG GAS DETECTOR for Domestic Application

APPLICATIONS:

For detection of Combustible Gas like LPG/CNG/Piped Gas in the Kitchen.

SPECIFICATION:

Detecting Principle	: Catalytic Combustion Sensor.
Alarm level	: 10% LEL
Audible alarm level	: 80 dB at 1m
Visual indicator	: Green LED indicates receiving electric power and operating properly. Yellow LED above Power LED illuminates in the warming up mode. Yellow LED below Red LED is fault LED means the gas detection sensor or circuit is not working efficiently and must be replaced by an authorized service center. Red LED illuminates when in alarm mode.
Button	: For test units electronic circuit and horn and rests the units during alarm.
Power supply	: 110V-230V AC 50/60 Hz.
Temperature	: 10 degree C to +55 degree C
Output	: Gas shut off valve output or relay output (optional).

STAND ALONE GAS DETECTOR

FEATURES:

Stand alone gas detector system for remote areas or such places where any other mode of power supply is not possible such as Solar wind or Normal AC. This system has internal Power Pack to work uninterruptedly for 6 to 9 months and updates the in Cloud Server. Every day or as programmed about the Gas Concentration, time, health of the equipment and health of the Power Pack. The sampling time is programmable. In case of alarm situation, an SMS will be sent to the designated mobile numbers.

SOME OF OUR ESTEEMED CLIENT



THE GATEWAY HOTEL
EM BYPASS KOLKATA

SOME OF OUR ESTEEMED CLIENT

INDIAN ALUMINIUM CO. LTD, HOWRAH
INTEGRAL COACH FACTORY, CHENNAI
HOTEL MONOTEL, KOLKATA
HOTEL PEERLESS INN, KOLKATA
IIT, KHARAGPUR

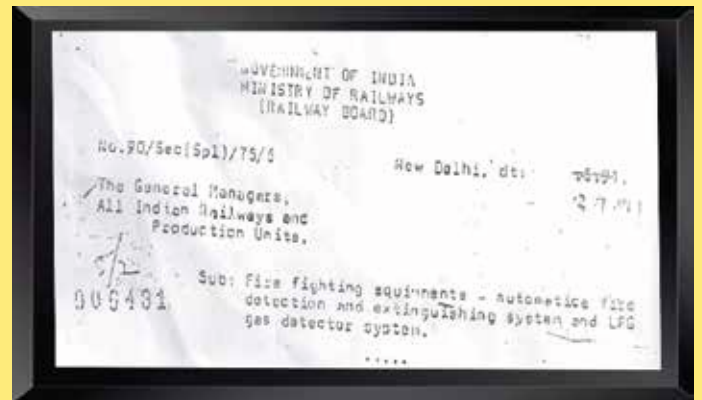
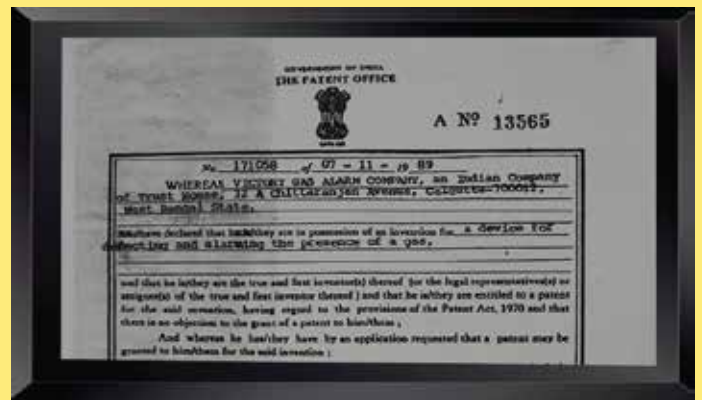
PRATIK FOOD PRODUCTS PVT LTD.
AMRI VISION CARE HOSPITAL
KIC METALIKS LTD., DURGAPUR
SSKM HOSPITAL
NICCO PARK RESORTS LTD.

IN MUMBAI AND OTHER CITIES

AURA HOTELS, BORIVALI WEST
SHIV SAGAR, CHURCHGATE
MALLIKA BAR, MALAD
BBN HOSPITALITY (KEBAB) KURLA (W)
SEA LORD, WORLI
TUNGA INTERNATIONAL, ANDHERI
HOTEL PLAZA, CHEMBUR
WOODLAND HOTELS, GOREGAON (W)
HOTEL NEW PARIS, GOREGAON (E)
LALCO RESIDENCY LLP, JOGESHWARI (E)
PAYYADE INTERNATIONAL, KANDIVALI
DELI HEIGHTS

AKSA RESORT. MALAD
RUKSON HOTEL, MALAD (W)
KRISHNA PALACE, NANA CHOWK
ALL SEASONS , BORIVALI (E)
MAHESH LUNCH HOME, FORT
PUNJABI MOTI MAHAL, FORT
CAFÉ MADRAS, MATUNGA
TIFFANY'S BAR, SANTACRUZ (E)
THE THAI LANTERN ORB MALL, MUMBAI
PHOENIX MALL
RMZ GALLERIA MALL, BANGALORE
SREE CHAKRA TRADERS, KOCHI

CERTIFICATES



Multi - Gas Detector (4 Gases)



Gas Detector



Sampling Pump



Gas Detector (Single Gas)



Gas Detector



V-700

HAND-HELD GAS DETECTOR

DESCRIPTION:

V-700 detector is a portable gas detector to continuously monitor gas in the field. To keep the workers safe. The detector detects gas both (Toxic/ Combustible) by natural diffusion and adopts imported electrochemical sensor, having good sensibility and excellent repeatability. The device has embedded micro-control technique.

SPECIFICATION:

Gas Detected	: Single/ Multi Gas/ Combustible/ Toxic or combination.
Response Time	: T90<30s
Indication	: LCD indicates real time and system state
Alarm Indication	: Wide-angled light emitting diode. 85db buzz (the frequency of buzz depends the density), vibrating.
Fault Indication	: Indications of Zero point drift and sensor failure.
Operating Temperature	: -30° to +50°
GAS	: CH4, O2, NH3, H2S, CO, C2H2 etc. as required / LEL / PPM
Sampling Pump	: Battery operated programmable (optional)
Humidity	: < 95% RH non-condensing
Voltage	: DC3. 7V Li-on battery 1200mAh
Charging Time	: 4hrs to 6hrs
Duration of Operation	: Flammable gas <8(non-stopped) hrs / Toxic gas < 300h (non-stopped) hrs
IP Grade	: IP 66
Weight	: About 120g (including battery)
Dimension	: 102mm X 56mm X 26mm

FEATURES:

1.Advanced self-test of complete functions automatically when turned on. 2.Alarm for sensor failure.

APPLICATIONS:

The detector monitors the gas density and is widely used in tanks, confined spaces, factories, chemical plants, mines, tunnels, underground pipes etc. effectively prevents accident and adopts.



VICTORY GAS ALARM COMPANY

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